

1800-1809 [5]:

Mar 4, 1800 Feb 21, 1803 Aug 5, 1804 Jun 16, 1806 Oct 9, 1809

1810-1819 [6]:

Mar 24, 1811 Jul 27, 1813 Jul 6, 1815 Nov 19, 1816 Nov 9, 1817

Oct 29, 1818

1820-1829 [5]:

Mar 14, 1820 Mar 4, 1821 Aug 16, 1822 Jun 26, 1824 Apr 3, 1829

1830-1839 [8]:

Aug 7, 1831 Jul 27, 1832 Jul 17, 1833 Nov 30, 1834 Nov 20, 1835 Nov 9, 1836 Mar 25, 1838 Mar 15, 1839

1840-1849 [5]:

Aug 27, 1840 Jul 8, 1842 Dec 21, 1843 Apr 15, 1847 Aug 18, 1849

1850-1859 [7]:

Aug, 7, 1850 Jul 28, 1851

Dec 11, 1852

Nov 30, 1853

Apr 5, 1856

Mar 25, 1857

Sept 7, 1858

1860-1869 [6]:

Jul 18, 1861

Dec 31, 1861

Apr 25, 1865

Aug 29, 1867

Aug 18, 1868

Aug 7, 1869

1870-1879 [6]:

Dec 22, 1870

Dec 12, 1871

Apr 16, 1874

Apr 06, 1875

Sept 17, 1876

Jul 29, 1878

1880-1889 [8]:

Jan 11, 1880

May 17, 1882

May 6, 1883

Sept 8, 1885

Aug 29, 1886

Aug 19, 1887

Jan 1, 1889

Dec 22, 1889

1890-1899 [5]:

Apr 26, 1892

Apr 16, 1893

Sept 29, 1894

Aug 9, 1896

Jan 22, 1898

1900-1909 [7]:

May 28, 1900

May 18, 1901

Sept 21, 1903

Sept 9, 1904

Aug 30, 1905

Jan 14, 1907

Jan 31, 1908

1910-1919 [7]:

May 9, 1910

Apr 28, 1911

Oct 10, 1912

Aug 21, 1914

Feb 3, 1916

Jun 8, 1918

May 29, 1919

1920-1929 [8]:

Oct 1, 1921

Sept 21, 1922

Sept 10, 1923

Jan 24, 1925

Jan 14, 1926

Jun 29, 1927

May 19, 1928

May 9, 1929

1930-1939 [7]:

Oct 21, 1930

Aug 31, 1932

Feb 14, 1934

Jun 19, 1936

Jun 8, 1937

May 29, 1938

Oct 12, 1939

CAPRIC1940-1949[7]:

Oct 1, 1940

Sept 21, 1941

Feb 4, 1943

Jan 25, 1944

July 9, 1945

May 20, 1947

Nov 1, 1948

1950-1959 [8]:

Sept 12, 1950

Feb 25, 1953

Jun 30, 1954

Jun 20, 1955

Jun 8, 1956

Oct 23, 1957

Oct 12, 1958

Oct 2, 1959

1960-1969 [7]:

Feb 15, 1961

Feb 5, 1962

Jul 20, 1963

May 30, 1965

Nov 12, 1966

Nov 2, 1967

Sept 22, 1968

1970-1979 [7]:

Mar 7, 1970

Jul 10, 1972

Jun 30, 1973

Jun 20, 1974

Oct 23, 1976

Oct 12, 1977

Feb 26, 1979

1980-1989 [6]:

Feb 16, 1980

Jul 31, 1981

June 11, 1983

Nov 22, 1984

Nov 12, 1985

Mar 18, 1988

1990-1999 [8]:

Jul 22, 1990

Jul 11, 1991

Jun 30, 1992

Nov 3, 1994

Oct 24, 1995

Mar 9, 1997

Feb 26, 1998

Aug 11, 1999

2000-2009 [6]:

Jun 21, 2001

Dec 4, 2004

Nov 23, 2003

Mar 29, 2006

Aug 1, 2008

Jul 22, 2009

2010-2019 [6]:

Jul 11, 2010

Nov 13, 2012

Mar 20, 2015

Mar 9, 2016

Aug 21, 2017

Jul 2, 2019

2020-2029 [6]:

Dec 14, 2020

Dec 4, 2021

Apr 8, 2024 *

Aug 12, 2026

Aug 2, 2027

Jul 22, 2028

2030-2039 [7]:

Nov 25, 2030

Mar 30, 2033

Mar 20, 2034

Sept 2, 2035

Jul 13, 2037

Dec 26, 2038

Dec 15, 2039

2040-2049 [7]:

Apr 30, 2041 Apr 20, 2042 Apr 9, 2043 Aug 23, 2044 Aug 12, 2045 Aug 2, 2046 Dec 5, 2048

2050-2059 [6]:

Mar 20, 2052 Sept 12, 2053 Jul 24, 2055

Jan 5, 2057

Dec 26, 2057

May 11, 2059

2060-2069 [6]:

Apr 30, 2060

Apr 20, 2061

Aug 24, 2063

Aug 12, 2064

Dec 17, 2066

May 31, 2068

2070-2079 [9]:

Apr 11, 2070

Sept 23, 2071

Sept 12, 2072

Aug 3, 2073

Jan 16, 2075

Jan 6, 2076

May 22, 2077

May 11, 2078

May 1, 2079

2080-2089 [6]:

Sept 3, 2081

Aug 24, 2082

Dec 27, 2084

Jun 11, 2086

Apr 21, 2088

Oct 4, 2089

2090-2099 [8]:

Sept 23, 2090

Aug 15, 2091

Jan 27, 2093

Jan 16, 2094

Jun 2, 2095

May 22, 2096

May 11, 2097

Sept 14, 2099

Total Solar Eclipses' 1800-2099: 200 TEs over 300[299]yrs

>66%

Jan 13 **Jul 20**

Feb 10 **Aug 28**

Mar 16 Sept 18

Apr 17 **Oct 14**

May 18 Nov 15

Jun 16 Dec 15 22/200 are double-digit dates [d3] 11% d3 is a 2/30 chance [6.<u>6</u>%]

Highest Rate of TE is August w/ 14% **Lowest Rate of TE is February w/ 5%**

90 TEs occurred 1st half of the year 45% 110 TEs occurred 2nd half off the year 55%

*roughly 66 /67 per 100 yrs 0.67% per yr

33% of all TEs fell between Jul-Sept [66TE] 22% of all TEs fell between Oct-Dec 19.5% of all TEs fell between Jan-Mar 25.5% of all TE's fell between Apr-Jun

Solstices are June + December [31TSEs] Equinoxes are March + September [34 TSEs] **Solstices+Equinoxes=65 TSEs**

65TSEs/200 TTEs= 32.5% were in either Solstice or Equinox months